

PUBLIC NOTICE

PERMIT APPLICATION: NRS # 04.300

APPLICANT: David Trantanella
Trantanella Construction
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Powell, TN 37849
(865) 938-7200

LOCATION: Two unnamed intermittent tributaries to Murphy Creek,
36.0772 °N, -83.8429 °W, Knox County

WATERSHED DESCRIPTION: The 25.98 acres property for development is located within the First Creek watershed in an area with numerous sinkholes and springs. The two streams are highly intermittent with no surface connection to Murphy Creek. Stream A averages 2 feet wide and has a substrate of hard packed clay and occasional gravel. Stream B averages 1 foot wide with the same substrate.

(Site photos included on Internet version <http://www.state.tn.us/environment/wpc/wpcppo/arap/>)

PROJECT DESCRIPTION: The applicant proposes to build a 1650' relocated stream channel to replace two highly intermittent tributaries that begin in the center of the proposed Casa Bella subdivision and join in the southwestern corner. Intermittent stream A (350 feet) is proposed for elimination and stream B and the channel downstream of where A and B converge (approximately 1150 feet) is proposed for relocation. Dimensions of proposed channel and the vegetation plan are presented in Figures 2 and 3.

PERMIT COORDINATOR: Juliana W. Kyzar

UGGS TOPOGRAPHIC QUADRANGLE: John Sevier 146-SE

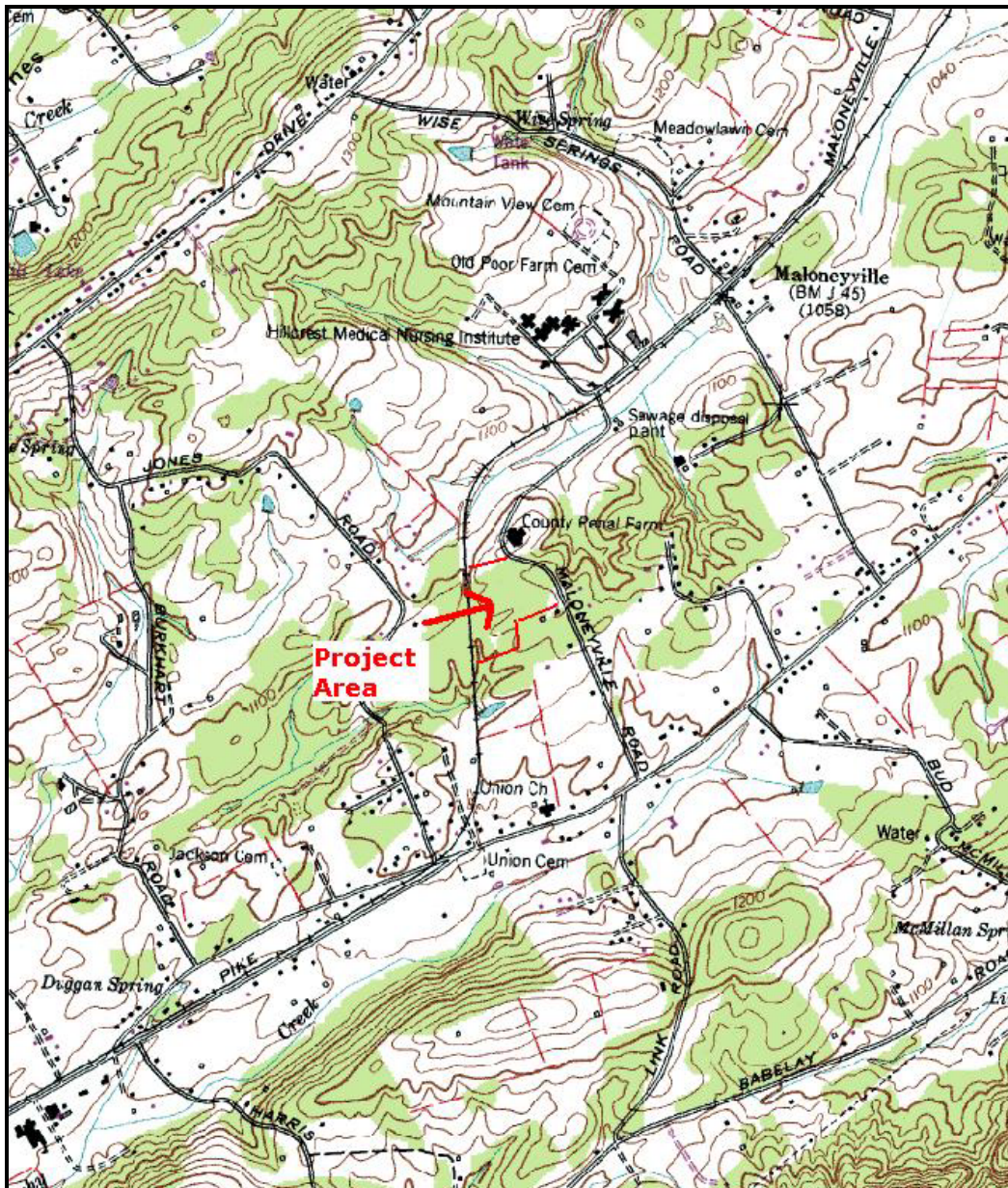


Figure 1: Topographic map showing project location



Photo 1: Photo of Intermittent stream “B” on Jan-22-2004 by LEE

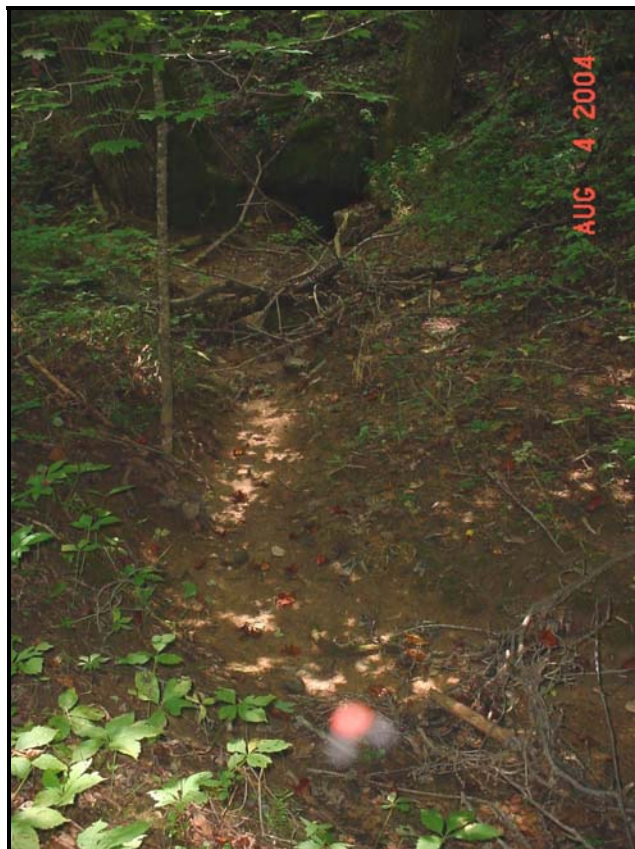


Photo 2: Photo of Intermittent stream “A” on Aug-04-2004 by LEE



Photo 3: Photo of combined channel of stream A and B Jan-28-2004 by LEE

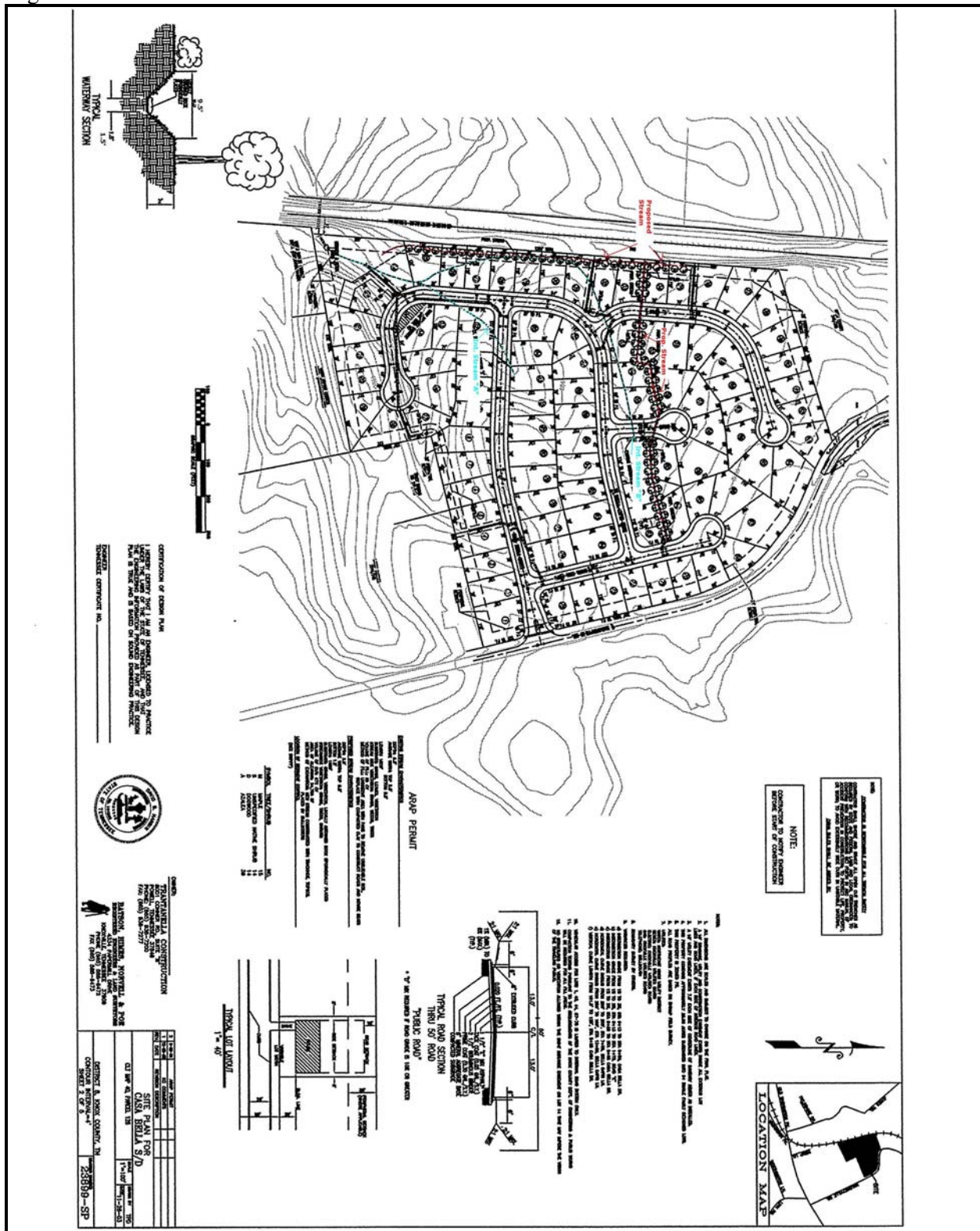


Figure 2: Site plan showing existing intermittent streams and relocated proposed stream channel.
(Plan sheet 2 of 5). Color added by permit writer

ARAP PERMIT																	
<u>EXISTING STREAM CHARACTERISTICS</u>																	
DEPTH: 0.5'																	
AVERAGE WIDTH: TOP 2.5'																	
BOTTOM 0.5'																	
LENGTH 1500'																	
SUBSTRATE: GRASS, LEAVES, VEGETATION																	
STREAM SIDE VEGETATION: GRASS, WEEDS, TREES																	
VOLUME OF FILL: 69 CY																	
METHOD OF FILL: UNDRECU AREA WITH PANS TO REMOVE UNSUITABLE SOIL, REPLACE WITH COMPACTED CLAY TO CONSTRUCT ROADS AND HOUSE SEATS																	
<u>PROPOSED STREAM CHARACTERISTICS</u>																	
DEPTH: 2.0'																	
AVERAGE WIDTH: TOP 9.5'																	
BOTTOM 1.5'																	
LENGTH: 1650'																	
SUBSTRATE: GRASS, VEGETATION, LOCALLY OBTAINED ROCK SPORADICALLY PLACED <i>rock</i>																	
STREAMSIDE VEGETATION: GRASS, TREES, SHRUBS																	
VOLUME OF CUT: 672 CY																	
AREA OF CLEARING: 24,750 SF																	
METHOD OF EXCAVATION: NEW STREAM CONSTRUCTED WITH TRACKHOE, TOPSOIL PLACED BY BULLDOZERS																	
<u>LOCATION OF SEDIMENT CONTROL</u>																	
(SEE SWPPP)																	
<table><thead><tr><th>SYMBOL</th><th>TREE/SHRUB</th><th>NO.</th></tr></thead><tbody><tr><td>M</td><td>MAPLE</td><td>15</td></tr><tr><td>S</td><td>UNSPECIFIED NATIVE SHRUB</td><td>14</td></tr><tr><td>D</td><td>DOGWOOD</td><td>14</td></tr><tr><td>A</td><td>AZALEA</td><td>39</td></tr></tbody></table>			SYMBOL	TREE/SHRUB	NO.	M	MAPLE	15	S	UNSPECIFIED NATIVE SHRUB	14	D	DOGWOOD	14	A	AZALEA	39
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Figure 3: Inset from plan sheet 2.

